



2-input / 1-output 3dB hybrid combiner is used for same band systems combination. This hybrid combiner covers the ultrawide frequency band of 694-4200MHz, that can be used for most of the applications in passive DAS system.

### General Specifications

Product Type	Hybrid Combiner
Frequency Band	694-4200 MHz
Input / Output	2-input / 1-output
Intermodulation (3rd order)	$\leq -120\text{dBc}@2\times 43\text{dBm}$
Connector Interface	N female

### Electrical Specifications

Frequency Band	694-4200 MHz
Return Loss	$\leq -17.7\text{ dB}$
VSWR	$\leq 1.3$
Insertion Loss	$\leq 0.2\text{ dB}$
Distribution Loss	Nominal 3 dB
Distribution Loss Ripple	$\pm 0.6\text{ dB}$
Isolation	$\geq 20\text{ dB}$
Intermodulation (3rd order)	$\leq -120\text{dBc}@2\times 43\text{dBm}$
Power Handling	100 watts per port
Impedance	50 ohms

### Material Specifications

Cavity	Cavity Enclosure	Aluminum alloy
	Cavity Outer Surface Treatment	Conductive oxidation / Painting
	Cavity Inner Surface Treatment	Cu3Ag1
	Inner Conductor	Aluminum alloy
Connector	Inner Conductor Surface Treatment	Ag1
	Outer Conductor	Brass
	Outer Conductor Surface Treatment	Tri-metal CuSnZn3
	Inner Conductor	Brass
	Inner Conductor Surface Treatment	Ag1
	Insulator	PTFE/TPX
	Gasket	Silicon rubber

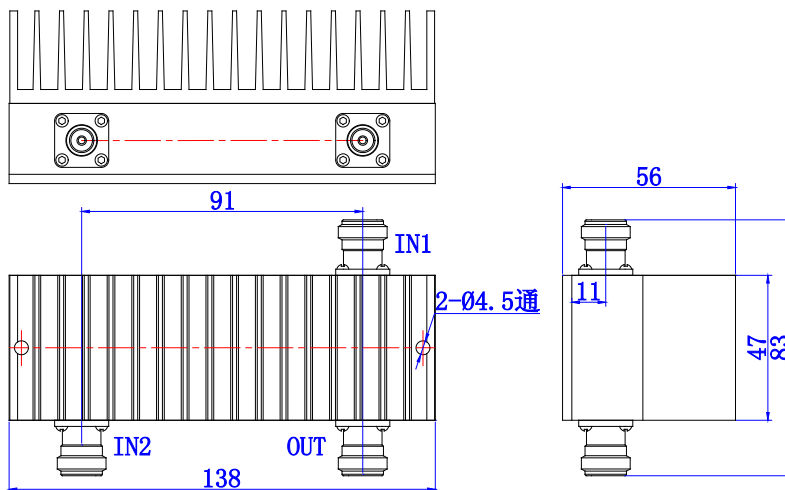
## Mechanical Specifications

Dimension	138×47×56 mm
Weight	0.8 kg
Connectors Type	N female
Mounting	Plane
Packing	1 pcs in box

## Environmental Specifications

Operating Temperature	-40 °C to +65 °C
Storage Temperature	-45 °C to +85 °C
Relative Humidity	5% - 95%
Application	IP65

## Outline Drawing



## Regulatory Compliances

ISO 9001:2015	Compliant
ROHS	Compliant
China RoHS	Compliant
UK RoHS	Compliant
REACH	Compliant
EU/CE	Compliant

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